



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**02.05.2003 Bulletin 2003/18**

(51) Int Cl.7: **B41J 2/05**

(43) Date of publication A2:  
**14.08.2002 Bulletin 2002/33**

(21) Application number: **02250458.3**

(22) Date of filing: **23.01.2002**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR**  
Designated Extension States:  
**AL LT LV MK RO SI**

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(30) Priority: **08.02.2001 US 779281**

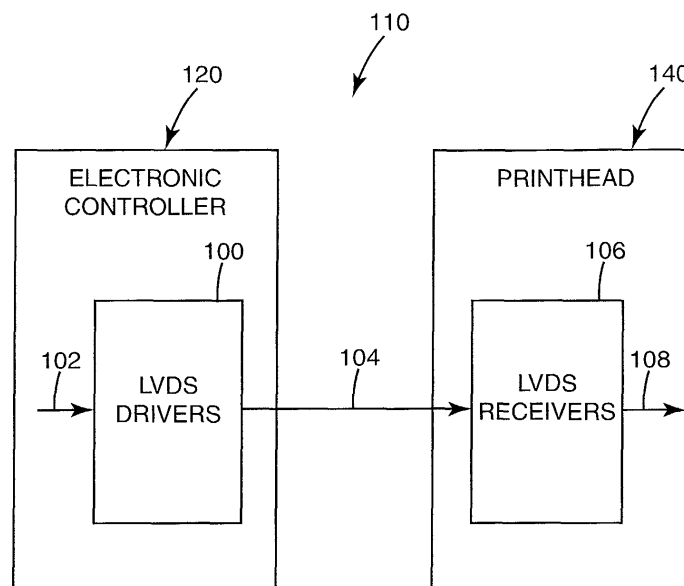
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(54) **Low voltage differential signaling for communicating with inkjet printhead assembly**

(57) An inkjet printing system (110/210/310/410) includes an electronic controller (120/220) including electronics providing first signals having first signaling levels, and low voltage differential signaling (LVDS) drivers (100/200/300/400) which receive the first signals and convert the first signals to second signals having LVDS levels. Cabling (104/204/304/404) is coupled to the LVDS drivers and carries the second signals to an inkjet

printhead assembly (12/312/412). The inkjet printhead assembly includes LVDS receivers (106/206/306/406) coupled to the cabling and receiving the second signals and converting the second signals to third signals having third signaling levels. One embodiment of the inkjet printhead assembly includes multiple printheads (40/140/240/340/440) disposed on a carrier (30) to form a wide-array inkjet printhead assembly.



**Fig. 4**



European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number  
EP 02 25 0458

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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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Place of search	Date of completion of the search	Examiner	
MUNICH	25 February 2003	Urbaniec, T	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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